

### **ABSTRACT**

[0047] A method and apparatus is used to detect and compensate for printhead rotation in an inkjet printer. The detecting operation includes receiving an initial image of a pattern taken from a medium as the printhead passes over the medium, receiving a subsequent  
5 image of the pattern taken from the medium as the printhead continues to pass over the medium, comparing the initial image of the pattern and the subsequent image of the pattern taken from the medium and identifying a rotation of the printhead in the inkjet printer passing over the medium if the comparison indicates the initial image of the pattern is rotated relative to the subsequent image of the pattern. The compensation  
10 operation includes modifying the timing settings associated with the firing of the nozzles in the inkjet printhead to compensate for the rotation of the printhead.